

**SUPPLEMENTARY  
EUROPEAN SEARCH REPORT**

Application Number  
EP 04 78 8448 ✓

| DOCUMENTS CONSIDERED TO BE RELEVANT  |  |  |  |
|--|--|--|--|
| Category   | Citation of document with indication, where appropriate, of relevant passages  | Relevant to claim                          | CLASSIFICATION OF THE APPLICATION (IPC)                |
| X (1)  | US 2001/030915 A1 (SUZUKI KENICHI [JP])<br>18 October 2001 (2001-10-18)<br><br>* paragraphs [0077] - [0104]; figures 7,8<br>*                                | 1-4,<br>6-11,<br>13-20,<br>22-27,<br>29,30 | INV.<br>G11B7/085<br>G11B19/12<br><br>ADD.<br>G11B7/00 |
| X (2)  | EP 0 717 401 A (SONY CORP [JP])<br>19 June 1996 (1996-06-19)<br><br>* figures 1-3 *<br>* column 4, lines 35-44 *<br>* column 6, line 16 - column 7, line 6 * | 1-4,<br>6-11,<br>13-20,<br>22-27,<br>29,30 |  |
| A (3)  | JP 2002 373431 A (HITACHI LG DATA STORAGE INC) 26 December 2002 (2002-12-26)<br><br>* figures 6,9 *  | 1-4,<br>6-11,<br>13-20,<br>22-27,<br>29,30 | TECHNICAL FIELDS<br>SEARCHED (IPC)                     |
| A (4)  | US 5 859 824 A (IZUMI SACHIHIRO [JP] ET AL) 12 January 1999 (1999-01-12)<br><br>* figure 6 *   | 1-4,<br>6-11,<br>13-20,<br>22-27,<br>29,30 | G11B   |
| 2  | The supplementary search report has been based on the last set of claims valid and available at the start of the search.                                     |  |  |
| Place of search  |  | Date of completion of the search           | Examiner   |
| The Hague  |  | 13 March 2009                              | Tanguy Michotte  |
| CATEGORY OF CITED DOCUMENTS  |  |  |  |
| X : particularly relevant if taken alone<br>Y : particularly relevant if combined with another document of the same category<br>A : technological background<br>O : non-written disclosure<br>P : intermediate document  |  |  |  |
| T : theory or principle underlying the invention<br>E : earlier patent document, but published on, or after the filing date<br>D : document cited in the application<br>L : document cited for other reasons<br>& : member of the same patent family, corresponding document |  |  |  |
| EPO FORM 1503/03 82 (P04C04)   |  |  |  |

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 04 78 8448 ✓

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

13-03-2009

| Patent document cited in search report |    | Publication date |      | Patent family member(s) |  | Publication date |
|--|----|------------------|------|-------------------------|--|------------------|
| US 2001030915                          | A1 | 18-10-2001       | CN   | 1318830 A               |  | 24-10-2001       |
|  |    |                  | CN   | 1534636 A               |  | 06-10-2004       |
|  |    |                  | TW   | 484128 B                |  | 21-04-2002       |
| EP 0717401                             | A  | 19-06-1996       | AT   | 208946 T                |  | 15-11-2001       |
|  |    |                  | AU   | 703592 B2               |  | 25-03-1999       |
|  |    |                  | AU   | 4038495 A               |  | 27-06-1996       |
|  |    |                  | BR   | 9505922 A               |  | 23-12-1997       |
|  |    |                  | CA   | 2164929 A1              |  | 17-06-1996       |
|  |    |                  | CN   | 1128389 A               |  | 07-08-1996       |
|  |    |                  | DE   | 69523872 D1             |  | 20-12-2001       |
|  |    |                  | DE   | 69523872 T2             |  | 29-08-2002       |
|  |    |                  | ES   | 2167408 T3              |  | 16-05-2002       |
|  |    |                  | JP   | 3413684 B2              |  | 03-06-2003       |
|  |    |                  | JP   | 8171731 A               |  | 02-07-1996       |
|  |    |                  | US   | 5754507 A               |  | 19-05-1998       |
| JP 2002373431                          | A  | 26-12-2002       | NONE |                         |  |                  |
| US 5859824                             | A  | 12-01-1999       | NONE |                         |  |                  |